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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 09/756,097 Confirmation No.: 5648

Applicant : MITCHELL et al.

Filed : January 8, 2001

TC/A.U. : 1623

Examiner : Unassigned

Docket No. : 027705.00013

Customer No. : 38485

For : METHODS AND COMPOSITIONS FOR USE IN SPLICEOSOME
MEDIATED RNA TRANS-SPLICING IN PLANTS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Date: June 29, 2006

INFORMATION DISCLOSURE STATEMENT

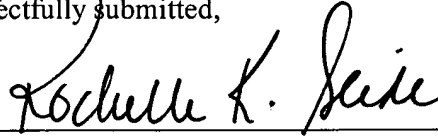
Sir:

Pursuant to 37 C.F.R. §§1.97 and 1.98, applicants respectfully request that the documents listed on the accompanying PTO 1449 be considered by the Examiner and made of record in the above-referenced application.

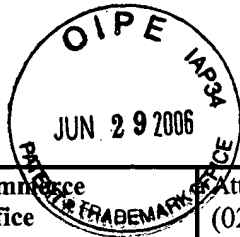
Identification of the listed documents is not to be construed as an admission of the applicants or attorneys for applicants that such citations are available as "prior art" against the subject application. If the Examiner applies the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of the documents. Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should the documents be applied against the claims of the present application.

Applicants believe that there is no fee required for this submission. However, if any fee is required, or if any overpayment has been made, the Commissioner is hereby authorized to charge any fees, or credit or any overpayments made, to Deposit Account 01-2300 referencing Attorney Docket No. 027705.00013.

Respectfully submitted,

A handwritten signature in black ink, reading "Rochelle K. Seide". The signature is written in a cursive style with a large, looping initial "R".

Rochelle K. Seide, Ph.D.
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Customer No. 38485



Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Atty. Docket No. (027705.00013)	Serial No. 09/756,097
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U.S. PATENT DOCUMENTS

Exam. Initial.	No.	Document No.	Date	Name	Class	Subclass	Filing Date if Approximate.
	14	6,280,978	8/28/ 2001	Mitchell, et al.			
	15	6,083,702	7/4/ 2000	Mitchell, et al.			
	16	5,998,205	12/ 7/ 1999	Hallenbeck, et al.			
	17	5,962,313	10/5/1999	Podsakoff, et al.			
	18	5,962,311	10/ 5/ 1999	Wickham, et al.			
	19	5,952,221	9/14/ 1999	Kurtzman, et al.			
	20	5,932,210	8/ 3/ 1999	Gregory, et al.			
	21	5,928,944	7/27/ 1999	Seth, et al.			
	22	5,922,576	7/ 13/ 1999	He, et al.			
	23	5,919,676	7/ 6/ 1999	Graham, et al.			
	24	5,891,690	4/ 6/ 1999	Massie			
	25	5,885,808	3/ 23/ 1999	Spooner, et al.			
	26	5,877,011	3/2/ 1999	Armentano, et al.			
	27	5,871,982	2/ 16/ 1999	Wilson, et al.			

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	28	5,869,037	2/ 9/ 1999	Crystal, et al.			
	29	5,858,351	1/ 12/ 1999	Podsakoff, et al.			
	30	5,851,806	12/ 22/ 1998	Kovesdi, et al.			
	31	5,843,742	12/ 1/ 1998	Natsoulis, et al.			
	32	5,837,484	11/ 17/ 1998	Trempe, et al.			
	33	5,820,868	10/ 13/ 1998	Mittal, et al.			
	34	5,789,390	8/ 4/ 1998	Descamps, et al.			
	35	5,756,283	5/26/ 1998	Wilson, et al.			
	36	5,747,072	5/ 5/ 1998	Davidson, et al.			
	37	5,731,172	3/ 24/ 1998	Saito, et al.			
	38	5,700,470	12/ 23/ 1997	Saito, et al.			
	39	5,670,488	9/ 23/ 1997	Gregory, et al.			
	40	5,616,326	4/1 1/ 1997	Spibey			
	41	5,589,377	12/ 31/ 1996	Lebkowski, et al.			
	42	5,585,362	12/ 17/ 1996	Wilson, et al.			

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	43	5,354,678	10/ 11/ 1994	Lebkowski, et al.			
	44	4,980,286	12/ 25/ 1990	Morgan, et al.			
	151	6,013,487	1/11/00	Mitchell			

FOREIGN PATENT DOCUMENTS							
Exam Initial	No.	Document No.	Date	Country	Class	Subclasses	Translation Yes No
	102	WO 89/10134	11/02/89	PCT			
	110	WO 88/09810	12/15/88	PCT			
	152	WO 00/09734	2/24/00	PCT			
	153	WO 98/11241	3/19/98	PCT			

Exam Initial	No.	OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)
	1	United States Patent Application Serial No. 10/693,192, filed October 23, 2003, "Screening Method for Identification of Efficient Pre-Trans-Splicing Molecules," Mitchell et al.
	2	United States Patent Application Serial No. 10/434,727, filed May 8, 2003, "Use of Sliceosome Mediated RNA Trans-Splicing to Confer Cell Selective Replication to Adenoviruses," Otto et al.

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	3	United States Patent Application Serial No. 10/374,784, filed February 25, 2003, "Trans-Splicing Mediated Imaging of Gene Expression," Mitchell et al.
	4	United States Patent Application Serial No. 10/360,787, filed June 5, 2002, " Spliceosome Mediated RNA Trans-Splicing for Correction of Factor VIII Genetic Defects," Mitchell et al.
	5	United States Patent Application Serial No. 10/198,447, filed July 17, 2002, "Spliceosome Mediated RNA Trans-Splicing for Correction of Skin Disorders," Mitchell et al.
	6	United States Patent Application Serial No. 10/136,723, filed April 30, 2002, "Transgenic Animal Model for Spliceosome-mediated RNA Trans-Splicing," Puttaraju et al.
	7	United States Patent Application Serial No. 10/103,294, filed March 20, 2002, "Spliceosome Mediated RNA Trans-Splicing," Mitchell et al.
	8	United States Patent Application Serial No. 10/075,028, filed February 12, 2002, "Methods and Compositions for Use in Spliceosome Mediated RNA Trans-Splicing," Mitchell et al.
	9	United States Patent Application Serial No. 10/076,248, filed February 12, 2002, "Methods and Compositions for Use in Spliceosome Mediated RNA Trans-Splicing," Mitchell et al.
	10	United States Patent Application Serial No. 09/838,858, filed April 20, 2001, "Methods and Compositions for Use in Spliceosome Mediated RNA Trans-Splicing," Mansfield et al.
	11	United States Patent Application Serial No. 09/756,097, filed Jan. 8, 2001, "Methods and Compositions for Use in Spliceosome Mediated RNA Trans-Splicing," Mitchell et al.
	12	United States Patent Application Serial No. 09/756,095, filed Jan. 8, 2001, "Methods and Compositions for Use in Spliceosome Mediated RNA Trans-Splicing," Mitchell et al.

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	45	Bhaumik et al., "Molecular Imaging of Gene Expression in Living Subjects by Spliceosome-Mediated RNA Trans-Splicing," June 8, 2004, Proc. Natl. Acad. Sci., 101:23:8693-8698.
	46	Tahara et al., "Trans-Splicing Repair of CD40-Ligand Deficiency Results in Naturally Regulated Correction of A Mouse Model of Hyper-IgM X-Linked Immunodeficiency," August 2004, Nature Medicine, 10:835-841.
	47	Chao et al., "Phenotype Correction of Hemophilia A Mice by Spliceosome-Mediated RNA Trans-Splicing," August 2003, Nature Medicine, 9:1-5.
	48	Liu et al., "Partial Correction of Endogenous Δ 508 CFTR in Human Cystic Fibrosis Airway Epithelia by Spliceosome-Mediated RNA Trans-Splicing," January 2002, Nature Biotechnology, 20:47-52.
	49	Kim et al., "Role of the Nonsense-Mediated Decay Factor hUpf3 in the Splicing Dependent Exon-Exon Junction Complex," September 7, 2001, Science 293:1832-1836.
	50	Kirn et al., "Replication-Selective Virotherapy for Cancer: Biological Principles, Risk Management and Future Directions," July 2001, Nat. Med. 7:781-787.
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	53	Tacke et al., "Determinants of SR Protein Specificity," 1999, Curr. Opin. Cell Biol. 11:358-362.
	54	He et al. "A Simplified System for Generating Recombinant Adenoviruses," March 1998, Proc. Natl. Acad. Sci., 95, 2509-2514.

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	55	Lan et al., "Ribozyme-Mediated Repair of Sickle β -Globin mRNAs in Erythrocyte Precursors" June 5, 1998, Science 280:1593-1596.
	56	Phylactou et al., "Ribozyme-Mediated Trans-Splicing of a Trinucleotide Repeat" April 1998, Nature Genetics 18:378-381.
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	59	Coolidge et al., "Functional Analysis of The Polypyrimidine Tract in Pre-mRNA Splicing," 1997, Nucleic Acids Res. 25:888-896.
	60	Crouzet et al. "Recombinational Construction in Escherichia Coli of Infectious Adenoviral Genomes," February 1997, Proc. Natl. Acad. Sci., 94, 1414-1419.
	61	Good et al., "Expression of Small, Therapeutic RNAs in Human Cell Nuclei," 1997, Gene Ther. 4:45-54.
	62	Malek et al., "Evolution of Trans-Splicing Plant Mitochondrial Introns in Pre-Permian Times," January 1997, Proc. Nat'l. Acad. Sci., 94:553-558.
	63	Chartier, et al., "Efficient Generation of Recombinant Adenovirus Vectors by Homologous Recombination in Escherichia Coli," July 1996, Virol. 70, 4805-4810.
	64	Hoon et al., "Detection of Metastatic Breast Cancer by β -hCG Polymerase Chain Reaction," 1996, Int J. Cancer 69:369-374.
	65	Jone et al., "Tagging Ribozyme Reaction Sites to Follow Trans-Splicing in Mammalian Cells," June 1996, Nature Medicine 2:643-648.

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	80	Goldspiel et al., "Human Gene Therapy," July 1993, Clinical Pharmacy 12:488-505.
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	82	Miller and Rosman, "Use of Retroviral Vectors for Gene Transfer and Expression," 1993, Meth. Enzymol. 217:581-599.
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	84	Moore et al, "Splicing of Precursors to mRNA by The Spliceosome," 1993, RNA World, 303-357.
	85	Morgan and Anderson, "Human Gene Therapy," 1993, Ann. Rev. Biochem. 62:191-217.
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	93	Ghattas et al., "The Encephalomyocarditis Virus Internal Ribosome Entry Site Allows Efficient Coexpression of Two Genes from a Recombinant Provirus in Culture Cells and in Embryos," December 1991, Mol. Cell Biol. 11:5848-5859.
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	100	Senapathy et al., "Splice Junctions, Branch Point Sites, and Exons: Sequence Statistics, Identification, and Applications to Genome Project," 1990, Methods In Enzymology, 183:252-278.
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	106	Riordan et al., "Identification of the Cystic Fibrosis Gene: Cloning and Characterization of Complementary DNA," 1989, Science, 245:1066-1073.
	107	Rommens et al., "Identification of the Cystic Fibrosis Gene: Chromosome Walking and Jumping," September 8, 1989, Science, 245:1059-1065.
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	117	Wu and Wu, "Receptor-Mediated in Vitro Gene Transformation by a Soluble DNA Carrier System," 1987, J. Biol. Chem., 262:429-4432.
	118	Dingwall and Laskey, "Protein Import into the Cell Nucleus," 1986, Ann. Rev. Cell Biol. 2:367-390.

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	121	Sutton et al., "Evidence for Trans Splicing in Trypanosomes," 1986, Cell 47:527-535.
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Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Atty. Docket No. (027705.00013)	Serial No. 09/756,097
	Applicant Mitchell et al.	
	Filing Date January 8, 2001	Group 1623
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